AMENDMENTS TO THE CLAIMS

1-21. (Cancelled)

22. (Currently amended) In a method of making a pneumatic tire

comprising

a carcass extending between bead portions,

a belt disposed radially outside the carcass in a tread portion,

a tread rubber disposed radially outside the belt,

a sidewall rubber disposed axially outside the carcass in each sidewall portion,

a bead rubber disposed along the axially outer surface and bottom surface of each said

bead portion, and

a bead apex rubber disposed between a carcass ply turnup and carcass ply main in each

said bead portion,

which comprises:

making a green tire by winding unvulcanized rubber materials for the respective tread

rubber, sidewall rubber, bead rubber and bead apex rubber; and

vulcanizing the green tire in a mold,

the improvement comprising

a having at least one process of making an at least one of annular rubber components

including component from a rubber composition, which component is one of said tread rubber,

sidewall rubber, bead rubber and bead apex rubber,

which process comprising

determining a cross sectional shape of the annular rubber component,

allotting thicknesses and widths to at least three unvulcanized rubber strips made from the same rubber composition as said rubber composition, based on said determined cross sectional shape of the annular rubber component which is formed by disposing said unvulcanized rubber strips having the allotted thicknesses and widths upon one another, said thicknesses being in a range of from 0.5 to 4.0 mm,

determining relative displacement of circumferential ends of said unvulcanized rubber strips,

making a layered structure of said unvulcanized rubber strips by disposing said unvulcanized rubber strips upon one another so that

the circumferential ends of said unvulcanized rubber strips have the determined relative displacement, wherein

the first circumferential ends on one side of the layered structure are gradually shifted from a strip disposed innermost when the layered structure is wound on a drum to a strip disposed radially outermost when the layered structure is wound on a drum, and

the second circumferential ends on the other side of the layered structure are gradually shifted in the reversed manner to the first circumferential ends,

winding said layered structure once around a drum as one of said unvulcanized rubber materials, and

connecting the circumferential ends of the wound layered structure to each other by butt joining the first circumferential ends with the second circumferential ends, respectively, so that

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the joints of said unvulcanized rubber strips are shifted from each other in the circumferential direction.

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23. (Currently amended) The method of making a pneumatic tire according to claim 22, wherein

said at least one of annular rubber components component is the tread rubber, and the thicknesses of the unvulcanized rubber strips are in a range of from 0.5 to 2.0 mm.

24. (Currently amended) The method of making a pneumatic tire according to claim 22, wherein

said at least one of annular rubber components component is the sidewall rubber, and the thicknesses of the unvulcanized rubber strips are in a range of from 0.5 to 2.0 mm.

25-27. (Cancelled)

28. (Previously Presented) The method of making a pneumatic tire according to claim 22, wherein

the allotted widths of the unvulcanized rubber strips are gradually decreased from the radially innermost strip to the radially outermost strip.

29. (Previously Presented) The method of making a pneumatic tire according to claim 22, wherein

the unvulcanized rubber strips are allotted the same widths.

30. (Previously Presented) The method of making a pneumatic tire according to claim 22,

wherein

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when the layered structure is wound around a drum, an angle α defining the angular

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circumferential shift between the joints of the adjacent unvulcanized rubber strips is at least 15

degrees, and

an angle β defining the angular circumferential shift between the joint of the radially

innermost unvulcanized rubber strip and the joint of the radially outermost unvulcanized rubber

strip and encompassing the joints is at most 180 degrees.

31. (Previously Presented) The method of making a pneumatic tire according to claim 24,

wherein

when the layered structure is wound around a drum, an angle α defining the angular

circumferential shift between the joints of the adjacent unvulcanized rubber strips is at least 15

degrees, and

an angle β defining the angular circumferential shift between the joint of the radially

innermost unvulcanized rubber strip and the joint of the radially outermost unvulcanized rubber

strip and encompassing the joints is at most 180 degrees.

32. (Currently Amended) The method of making a pneumatic tire according to claim

22, in which at least two of the unvulcanized rubber strips are different from each other in

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respect to rubber composition said at least one process of making an annular rubber component

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from a rubber composition, further include a process of making an annular rubber component

from a rubber composition different from said rubber composition, which component is one of

the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

33. (Currently Amended) The method of making a pneumatic tire according to claim

23, in which at least two of the unvulcanized rubber strips are different from each other in

respect to rubber composition said at least one process of making an annular rubber component

from a rubber composition, further include a process of making an annular rubber component

from a rubber composition different from said rubber composition, which component is one of

the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

34. (Currently Amended) The method of making a pneumatic tire according to claim

24, in which at least two of the unvulcanized rubber strips are different from each other in

respect to rubber composition said at least one process of making an annular rubber component

from a rubber composition, further include a process of making an annular rubber component

from a rubber composition different from said rubber composition, which component is one of

the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

35-36. (Cancelled)

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37. (Currently Amended) The method of making a pneumatic tire according to claim

28, in which at least two of the unvulcanized rubber strips are different from each other in

respect to rubber composition said at least one process of making an annular rubber component

from a rubber composition, further include a process of making an annular rubber component

from a rubber composition different from said rubber composition, which component is one of

the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

38. (Currently Amended) The method of making a pneumatic tire according to claim

29, in which at least two of the unvulcanized rubber strips are different from each other in

respect to rubber composition said at least one process of making an annular rubber component

from a rubber composition, further include a process of making an annular rubber component

from a rubber composition different from said rubber composition, which component is one of

the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

39. (Currently Amended) The method of making a pneumatic tire according to claim

30, in which at least two of the unvulcanized rubber strips are different from each other in

respect to rubber composition said at least one process of making an annular rubber component

from a rubber composition, further include a process of making an annular rubber component

from a rubber composition different from said rubber composition, which component is one of

the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

40. (Currently Amended) The method of making a pneumatic tire according to claim 31, in which at least two of the unvulcanized rubber strips are different from each other in respect to rubber composition said at least one process of making an annular rubber component from a rubber composition, further include a process of making an annular rubber component from a rubber composition different from said rubber composition, which component is one of the remainder of the tread rubber, sidewall rubber, bead rubber and bead apex rubber.

41. (New) In a method of making a pneumatic tire comprising

a carcass extending between bead portions,

a belt disposed radially outside the carcass in a tread portion,

a tread rubber disposed radially outside the belt,

a sidewall rubber disposed axially outside the carcass in each sidewall portion,

a bead rubber disposed along the axially outer surface and bottom surface of each said bead portion, and

a bead apex rubber disposed between a carcass ply turnup and carcass ply main in each said bead portion,

which comprises:

making a green tire by winding unvulcanized rubber materials for the tread rubber, sidewall rubber, bead rubber and bead apex rubber; and

vulcanizing the green tire in a mold,

the improvement comprising

having at least one process for making an annular rubber component, which component is one of said tread rubber, sidewall rubber, bead rubber and bead apex rubber,

which process comprising

determining a cross sectional shape of the annular rubber component,

allotting thicknesses and widths to unvulcanized rubber strips, based on said determined cross sectional shape of the annular rubber component which is formed by disposing said unvulcanized rubber strips having the allotted thicknesses and widths upon one another, said thicknesses being in a range of from 0.5 to 4.0 mm,

determining relative displacement of circumferential ends of said unvulcanized rubber strips,

making a layered structure of said unvulcanized rubber strips by disposing said unvulcanized rubber strips upon one another so that

the circumferential ends of said unvulcanized rubber strips have the determined relative displacement, wherein

the first circumferential ends on one side of the layered structure are gradually shifted from a strip disposed innermost when the layered structure is wound on a drum to a strip disposed radially outermost when the layered structure is wound on a drum, and

the second circumferential ends on the other side of the layered structure are gradually shifted in the reversed manner to the first circumferential ends,

winding said layered structure once around a drum as one of said unvulcanized rubber materials, and

connecting the circumferential ends of the wound layered structure to each other by butt joining the first circumferential ends with the second circumferential ends, respectively, so that

the joints of said unvulcanized rubber strips are shifted from each other in the circumferential direction, wherein

said annular rubber component is the bead apex rubber, and the thicknesses of the unvulcanized rubber strips are in a range of from 0.5 to 2.0 mm.

42. (New) The method of making a pneumatic tire according to claim 41, wherein the allotted widths of the unvulcanized rubber strips are gradually decreased from the radially innermost strip to the radially outermost strip.

43. (New) The method of making a pneumatic tire according to claim 42, in which said at least one process of making an annular rubber component further include a process of making an annular rubber component which is one of the tread rubber, sidewall rubber and bead rubber.